

hiemsfiord, Söndmör, and Manger by Professors Boeck, Rasch, and Sars.

C. lobata, Müll., and

C. septentrionalis, Kr., are frequent along the whole coast.

C. hystrix, Kr., was found by Kröyer at Christiansund.

LI.—On the Discovery of a Malar of a large Reptile in the Northumberland Coal-measures. By T. P. BARKAS.

To the Editors of the *Annals and Magazine of Natural History*.

GENTLEMEN,

I desire briefly to direct the attention of your readers to the discovery of a complete malar of a large Carboniferous reptile. It was found by me in shale from Newsham Colliery, Northumberland, and is probably the malar of the Labyrinthodont *Pteroplax cornuta* (which was described in your pages in April 1868) or of some analogous reptile.

The surface-markings on the malar exactly resemble those of ordinary reptilian head-bones, and closely correspond with the description of the markings of reptile bones in the paper referred to. The length of the bone is $8\frac{1}{4}$ inches, its width at the anterior extremity is 3 inches, at the posterior extremity $2\frac{1}{2}$ inches; and a space at the upper part of the bone exhibits one-third of the eye-orbit. The specimen is in an excellent state of preservation. In form the fossil malar very nearly corresponds with the representation of that of a crocodile given in Prof. Owen's 'Comparative Anatomy and Physiology of Vertebrates,' vol. i. p. 145. no. 26; and when compared with the malar of a crocodile in the Museum of Newcastle-upon-Tyne, it indicates the existence of a reptile in Northumberland during the Carboniferous era of a size equal to that of a full-grown crocodile.

I have also obtained from the same district large jaws, teeth, ribs, vertebræ, and other remains of Carboniferous Labyrinthodonts; and I feel confident that if the various collieries in England and Wales, Scotland and Ireland, were diligently searched by competent observers, a large and rapid addition to our Carboniferous fauna would certainly be made. No field of palæontological research has been more neglected, and none would yield better results.

I am, Gentlemen,

Yours obediently,

T. P. BARKAS.

Newcastle-on-Tyne, May 14, 1869.